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☐ 1. Document ID: US 20080001600 A1

L40: Entry 1 of 20

File: PGPB

Jan 3, 2008

PGPUB-DOCUMENT-NUMBER: 20080001600

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080001600 A1

TITLE: METHODS FOR MEASUREMENT OF MAGNETIC RESONANCE SIGNAL
PERTURBATIONS

PUBLICATION-DATE: January 3, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
deCharms; Richard Christopher	Montara	CA	US

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 2. Document ID: US 20070276221 A1

L40: Entry 2 of 20

File: PGPB

Nov 29, 2007

PGPUB-DOCUMENT-NUMBER: 20070276221

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070276221 A1

TITLE: Prescan for optimization of mri scan parameters

PUBLICATION-DATE: November 29, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Warntjes; Jan Bertus Marten	Eindhoven		NL

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 3. Document ID: US 20070016003 A1

L40: Entry 3 of 20

File: PGPB

Jan 18, 2007

PGPUB-DOCUMENT-NUMBER: 20070016003

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070016003 A1

TITLE: Open architecture imaging apparatus and coil system for magnetic resonance imaging

PUBLICATION-DATE: January 18, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Piron; Cameron Anthony	Toronto		CA
Luginbuhl; Christopher Alexander	Toronto		CA
Plewes; Donald B.	Toronto		CA

US-CL-CURRENT: 600/415

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 4. Document ID: US 20060244449 A1

L40: Entry 4 of 20

File: PGPB

Nov 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060244449

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060244449 A1

TITLE: Sense optimized MRI RF coil designed with a target field method

PUBLICATION-DATE: November 2, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Muftuler; Lutfi	Aliso Viejo	CA	US
Chen; Gang	Irvine	CA	US
Nalcioglu; Orhan	Newport Coast	CA	US

US-CL-CURRENT: 324/318; 29/601, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 5. Document ID: US 20060208731 A1

L40: Entry 5 of 20

File: PGPB

Sep 21, 2006

PGPUB-DOCUMENT-NUMBER: 20060208731

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060208731 A1

TITLE: Magnetic resonance parallel imaging method with K-space sensitivity encoding

PUBLICATION-DATE: September 21, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang; Jian Min	Shenzhen		CN
Zhang; Bida	Shenzhen		CN

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 6. Document ID: US 20060006867 A1

L40: Entry 6 of 20

File: PGPB

Jan 12, 2006

PGPUB-DOCUMENT-NUMBER: 20060006867

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060006867 A1

TITLE: Magnetic resonance imaging apparatus and method

PUBLICATION-DATE: January 12, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Van Den Brink; Johan Samuel	Eindhoven		NL

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 7. Document ID: US 20050100202 A1

L40: Entry 7 of 20

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050100202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050100202 A1

TITLE: Method for generating fast magnetic resonance images

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Huang, Feng	Gainesville	FL	US

US-CL-CURRENT: 382/128

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 8. Document ID: US 20050054910 A1

L40: Entry 8 of 20

File: PGPB

Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050054910

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050054910 A1

TITLE: Optical image-based position tracking for magnetic resonance imaging applications

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tremblay, Marleine	Montreal	GA	CA
Tam, Fred	Toronto		CA
Graham, Simon James	Toronto		CA
Kucharczyk, John	Bishop		US
Marmurek, Jonathan	Guelph		CA

US-CL-CURRENT: 600/411; 600/414

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 9. Document ID: US 20050033154 A1

L40: Entry 9 of 20

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033154 A1

TITLE: Methods for measurement of magnetic resonance signal perturbations

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
deCharms, Richard Christopher	Montara	CA	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 10. Document ID: US 20040207402 A1

L40: Entry 10 of 20

File: PGPB

Oct 21, 2004

PGPUB-DOCUMENT-NUMBER: 20040207402

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040207402 A1

TITLE: Method and apparatus to improve an mri image

PUBLICATION-DATE: October 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kellman, Peter	Bethesda	MD	US
McVeigh, Elliot	Phoenix	MD	US

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 11. Document ID: US 20030076099 A1

L40: Entry 11 of 20

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030076099 A1

TITLE: Reduced signal to noise ratio array coil image

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hajnal, Joseph V.	London		GB
Bydder, Mark	London		GB
Larkman, David J.	London		GB

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 12. Document ID: US 20030001571 A1

L40: Entry 12 of 20

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030001571
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030001571 A1

TITLE: Method for generating images by means of magnetic resonance

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Jianmin	Erlangen		DE

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 13. Document ID: US 7202666 B2

L40: Entry 13 of 20

File: USPT

Apr 10, 2007

US-PAT-NO: 7202666
DOCUMENT-IDENTIFIER: US 7202666 B2

TITLE: Magnetic resonance parallel imaging method with K-space sensitivity encoding

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20060208731 A1	September 21, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wang; Jian Min	Shenzhen			CN
Zhang; Bida	Shenzhen			CN

US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 14. Document ID: US 7202663 B2

L40: Entry 14 of 20

File: USPT

Apr 10, 2007

US-PAT-NO: 7202663

DOCUMENT-IDENTIFIER: US 7202663 B2

TITLE: Method for generating fast magnetic resonance images

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050100202 A1

May 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Feng	Gainesville	FL		US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 15. Document ID: US 7157910 B2

L40: Entry 15 of 20

File: USPT

Jan 2, 2007

US-PAT-NO: 7157910

DOCUMENT-IDENTIFIER: US 7157910 B2

TITLE: Magnetic resonance imaging apparatus and method

DATE-ISSUED: January 2, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060006867 A1

January 12, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Van Den Brink; Johan Samuel

Eindhoven

NL

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 16. Document ID: US 7154268 B2

L40: Entry 16 of 20

File: USPT

Dec 26, 2006

US-PAT-NO: 7154268

DOCUMENT-IDENTIFIER: US 7154268 B2

TITLE: Method and apparatus to improve an MRI image using regularization

DATE-ISSUED: December 26, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040207402 A1

October 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kellman; Peter	Bethesda	MD		US
McVeigh; Elliot	Phoenix	MD		US

US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 17. Document ID: US 6326786 B1

L40: Entry 17 of 20

File: USPT

Dec 4, 2001

US-PAT-NO: 6326786

DOCUMENT-IDENTIFIER: US 6326786 B1

TITLE: Magnetic resonance imaging method and apparatus

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pruessmann; Klaas P.	Zurich			CH
Weiger; Markus	Dietikon			CH
Scheidegger; Markus B.	Bisikon			CH
Boesiger; Peter	Ennetbaden			CH

US-CL-CURRENT: 324/312; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 18. Document ID: US 6289232 B1

L40: Entry 18 of 20

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jakob; Peter M.	Brookline Village	MA		
Sodickson; Daniel K.	Cambridge	MA		
Griswold; Mark	Brookline	MA		

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 19. Document ID: US 5910728 A

L40: Entry 19 of 20

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sodickson; Daniel Kevin	Cambridge	MA		
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US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 20. Document ID: US 4812760 A

L40: Entry 20 of 20

File: USPT

Mar 14, 1989

US-PAT-NO: 4812760

DOCUMENT-IDENTIFIER: US 4812760 A

TITLE: Multi-dimensional selective NMR excitation with a single RF pulse

DATE-ISSUED: March 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Bottomley; Paul A.	Clifton Park	NY		
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Hardy; Christopher J.	Schenectady	NY		
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O'Donnell; Matthew	Schenectady	NY		
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Roemer; Peter B.	Schenectady	NY		
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US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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Term	Documents
MAGNETIC	1855935
MAGNETICS	17011
MRI	45404
MRIS	725
NMR	196331
NMRS	335
RESONAN\$2	0
RESONAN	1142
RESONANA	3
RESONANAE	3
RESONANAT	7
(L39 AND ((MAGNETIC ADJ RESONAN\$2) OR MRI OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	20

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